

Vermont Mental Health Performance Indicator Project

DDMHS, Weeks Building, 103 South Main Street, Waterbury, VT 05671-1601 (802-241-2638)

MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani
Sheila Pomeroy

DATE: May 17, 2002

RE: Practice Patterns: Involuntary Treatment

The attached graphs and tables provide a detailed history of the use of involuntary treatment (including seclusion, restraint, medication, and one-on-one specialing) at the Vermont State Hospital. The graphs describe the period from January of 1985 through March of 2002. Due to space limitations, the tables describe the period from January 1990 through March 2002. A similar report that includes tables for January 1988 through September 1998 was distributed on November 13, 1998. If you would like to see the earlier data, it is available online at <http://www.state.vt.us/dmh/Data/PIPs/1998/pip111398.pdf>.

The recommendation of Vermont's Mental Health Performance Indicator Project with regard to indicators of practice patterns include the recommendations that "...the degree to which services are accepted on a voluntary basis and the degree to which participation is involuntary should be monitored and reported on a regular basis."

<http://www.state.vt.us/dmh/Data/PIPs/pipPerfIndRecs.pdf>

We will be interested in your thoughts regarding three questions about this indicator. First, how often should data on rates of involuntary care be published? Second, how much detail and how much history should be included in these reports? Third, should reports on involuntary treatment be expanded to include involuntary care in other settings?

We look forward to your questions, your comments and your suggestions. You can e-mail us at pip@ddmhs.state.vt.us, or 802-241-2638.

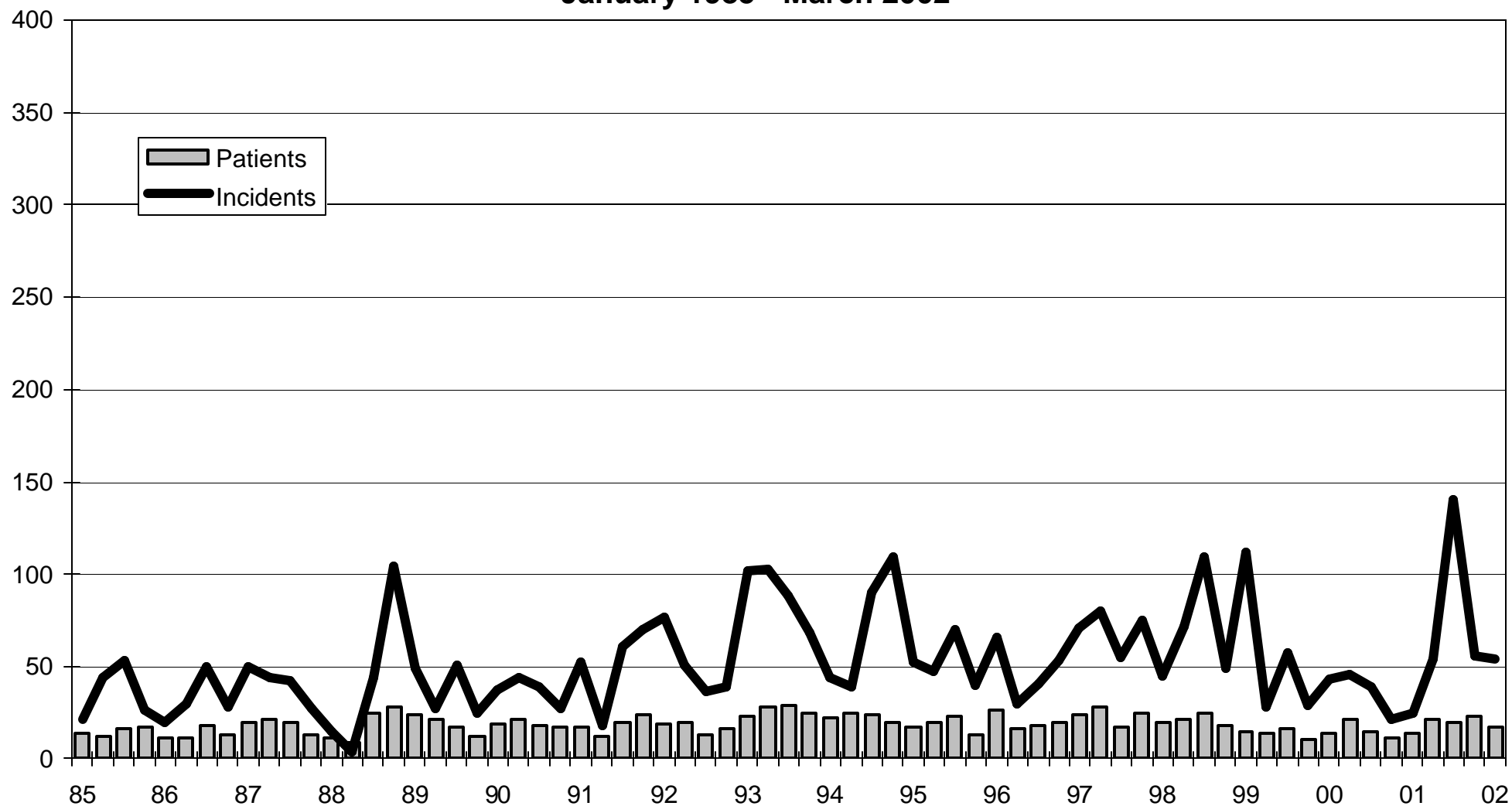
**INVOLUNTARY TREATMENT
AT THE VERMONT STATE HOSPITAL
JANUARY 1985 - MARCH 2002**

Prepared by

Research & Statistics Unit
Department of Developmental and Mental Health Services
103 South Main Street
Waterbury, VT 05671-1601

May 13, 2002

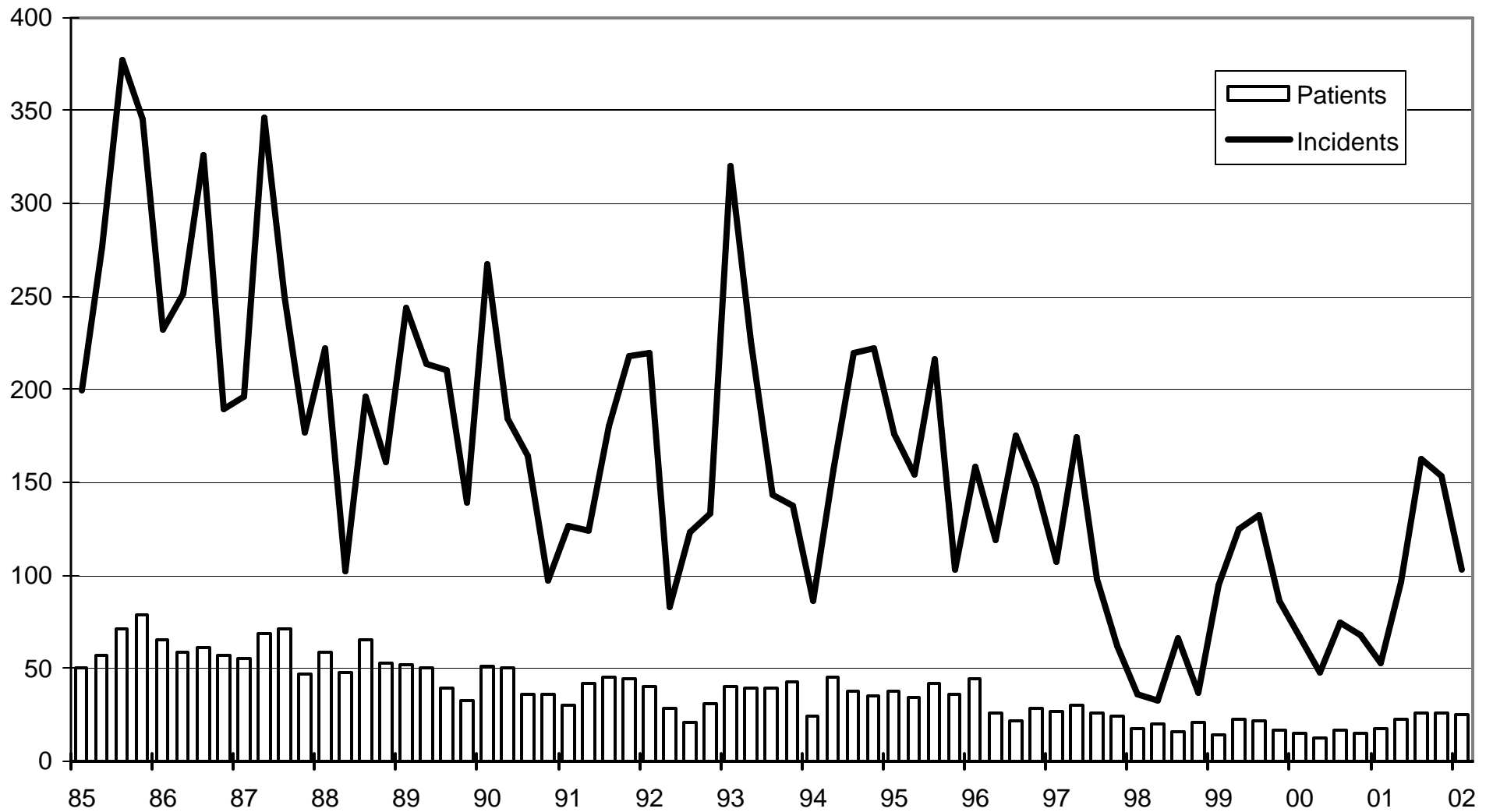
EMERGENCY INVOLUNTARY MEDICATION at the Vermont State Hospital January 1985 - March 2002



INVOLUNTARY MEDICATION
AT THE VERMONT STATE HOSPITAL
JANUARY 1, 1990 - MARCH 31, 2002

Quarter		Patients Involuntarily Medicated						Incidents of Emergency Involuntary Medication	
		Emergency		Non		Total		#	Rate(Incidents per Patient Year)
				#	%				
1990		#	%	#	%	#	%		
I.	Jan - March	19	10%	2	1%	21	11%	37	1.4
II.	April - June	21	10%	5	2%	24	12%	44	1.6
III.	July - Sept	18	10%	4	2%	22	12%	39	1.3
IV.	Oct - Dec	17	9%	4	2%	20	10%	27	1.0
1991									
I.	Jan - March	17	9%	10	5%	24	12%	52	2.0
II.	April - June	12	7%	7	4%	18	10%	18	0.8
III.	July - Sept	20	11%	5	3%	23	12%	61	2.4
IV.	Oct - Dec	24	12%	7	4%	30	15%	70	2.6
1992									
I.	Jan - March	19	10%	7	4%	27	14%	77	3.1
II.	April - June	20	12%	9	5%	29	17%	51	2.1
III.	July - Sept	13	9%	8	5%	17	11%	36	1.6
IV.	Oct - Dec	16	10%	7	4%	21	13%	39	1.7
1993									
I.	Jan - March	23	15%	6	4%	28	18%	102	4.5
II.	April - June	28	19%	6	4%	32	22%	103	5.0
III.	July - Sept	29	18%	11	7%	37	23%	88	4.1
IV.	Oct - Dec	25	16%	13	8%	33	21%	68	3.1
1994									
I.	Jan - March	22	15%	10	7%	28	19%	44	2.2
II.	April - June	25	17%	8	5%	30	20%	39	2.2
III.	July - Sept	24	15%	7	4%	30	19%	90	4.8
IV.	Oct - Dec	20	13%	7	5%	28	18%	109	5.3
1995									
I.	Jan - March	17	12%	12	9%	24	17%	52	2.9
II.	April - June	20	16%	10	8%	27	19%	47	2.5
III.	July - Sept	23	15%	12	8%	30	20%	70	3.6
IV.	Oct - Dec	13	8%	13	8%	22	14%	40	2.0
1996									
I.	Jan - March	26	17%	12	8%	35	23%	66	3.4
II.	April - June	16	12%	14	11%	28	21%	30	1.8
III.	July - Sept	18	12%	13	10%	27	21%	41	2.6
IV.	Oct - Dec	20	16%	16	13%	30	24%	53	3.3
1997									
I.	Jan - March	24	20%	12	10%	32	26%	71	4.2
II.	April - June	28	20%	14	10%	39	27%	80	4.3
III.	July - Sept	17	11%	11	7%	24	15%	55	3.3
IV.	Oct - Dec	25	19%	16	12%	34	26%	75	5.3
1998									
I.	Jan - March	20	16%	11	9%	29	23%	45	3.3
II.	April - June	21	18%	4	3%	23	20%	72	5.0
III.	July - Sept	25	25%	9	9%	29	29%	109	7.7
IV.	Oct - Dec	18	17%	6	6%	23	21%	49	3.6
1999									
I.	Jan - March	15	14%	7	7%	19	18%	112	9.1
II.	April - June	14	12%	8	7%	20	18%	28	2.1
III.	July - Sept	16	14%	8	7%	21	18%	57	3.9
IV.	Oct - Dec	10	9%	10	9%	17	15%	29	2.1
2000									
I.	Jan - March	14	15%	9	9%	20	21%	43	3.9
II.	April - June	21	23%	5	6%	21	23%	46	4.1
III.	July - Sept	15	14%	5	5%	17	16%	39	3.2
IV.	Oct - Dec	11	10%	4	4%	12	11%	21	1.5
2001									
I.	Jan - March	14	14%	10	10%	19	18%	25	1.9
II.	April - June	21	19%	10	9%	25	23%	54	4.3
III.	July - Sept	20	16%	10	8%	25	20%	140	11.0
IV.	Oct - Dec	23	21%	6	6%	27	25%	56	4.2
2002									
I.	Jan - March	17	16%	11	11%	23	22%	54	4.0

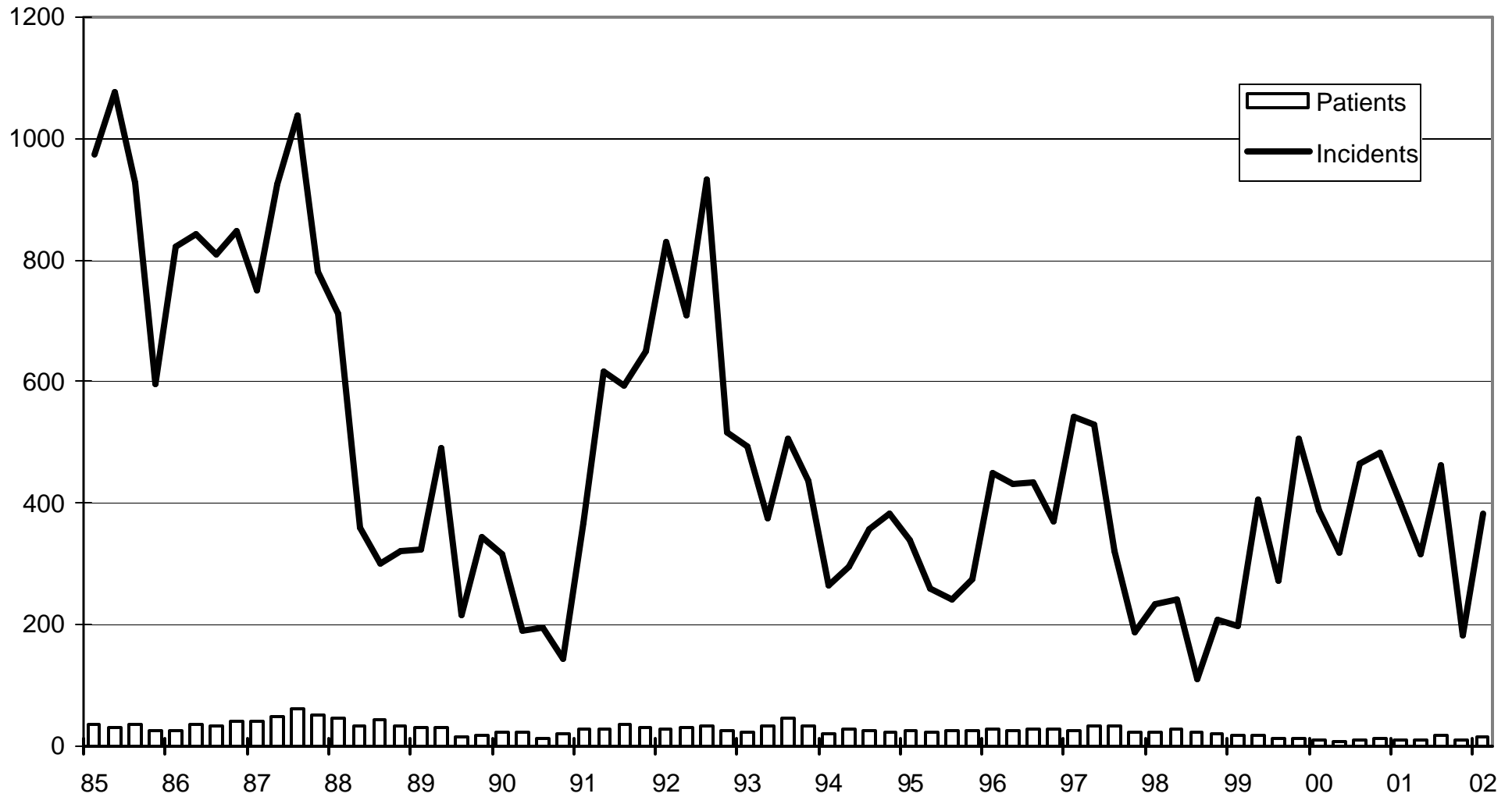
**INVOLUNTARY SECLUSION
at the Vermont State Hospital
January 1985 - March 2002**



INVOLUNTARY SECLUSION
AT THE VERMONT STATE HOSPITAL
JANUARY 1, 1990 - MARCH 31, 2002

Quarter	Patients Secluded		Seclusion Incidents		
	Number	Percent of all Patients	Number	Rate (Incidents per Patient Year)	
1990					
I.	Jan - March	51	26%	267	9.9
II.	April - June	50	25%	184	6.5
III.	July - Sept	36	19%	164	5.6
IV.	Oct - Dec	36	18%	97	3.4
1991					
I.	Jan - March	30	15%	127	4.9
II.	April - June	42	23%	124	5.3
III.	July - Sept	45	24%	180	7.0
IV.	Oct - Dec	44	22%	218	8.2
1992					
I.	Jan - March	40	21%	220	8.7
II.	April - June	28	17%	83	3.4
III.	July - Sept	21	14%	123	5.3
IV.	Oct - Dec	31	20%	133	5.7
1993					
I.	Jan - March	40	26%	320	14.2
II.	April - June	39	26%	226	11.0
III.	July - Sept	39	24%	143	6.6
IV.	Oct - Dec	43	28%	137	6.2
1994					
I.	Jan - March	24	16%	86	4.2
II.	April - June	45	30%	157	8.9
III.	July - Sept	38	24%	220	11.8
IV.	Oct - Dec	35	23%	222	10.9
1995					
I.	Jan - March	38	27%	176	9.9
II.	April - June	34	24%	154	8.2
III.	July - Sept	42	27%	216	11.2
IV.	Oct - Dec	36	22%	103	5.1
1996					
I.	Jan - March	44	29%	158	8.0
II.	April - June	26	19%	119	7.0
III.	July - Sept	22	17%	175	10.9
IV.	Oct - Dec	28	23%	148	9.2
1997					
I.	Jan - March	27	22%	107	6.3
II.	April - June	30	21%	174	9.3
III.	July - Sept	26	16%	98	5.9
IV.	Oct - Dec	24	18%	62	4.4
1998					
I.	Jan - March	18	14%	36	2.6
II.	April - June	20	17%	33	2.3
III.	July - Sept	16	16%	66	4.6
IV.	Oct - Dec	21	19%	37	2.7
1999					
I.	Jan - March	14	13%	95	7.7
II.	April - June	23	20%	125	9.4
III.	July - Sept	22	19%	132	9.0
IV.	Oct - Dec	17	15%	86	6.1
2000					
I.	Jan - March	15	16%	67	6.0
II.	April - June	13	14%	48	4.2
III.	July - Sept	17	16%	75	6.1
IV.	Oct - Dec	15	14%	68	4.8
2001					
I.	Jan - March	18	17%	53	3.9
II.	April - June	23	21%	96	7.6
III.	July - Sept	26	21%	163	12.8
IV.	Oct - Dec	26	24%	153	11.4
2002					
I.	Jan - March	25	24%	103	7.6

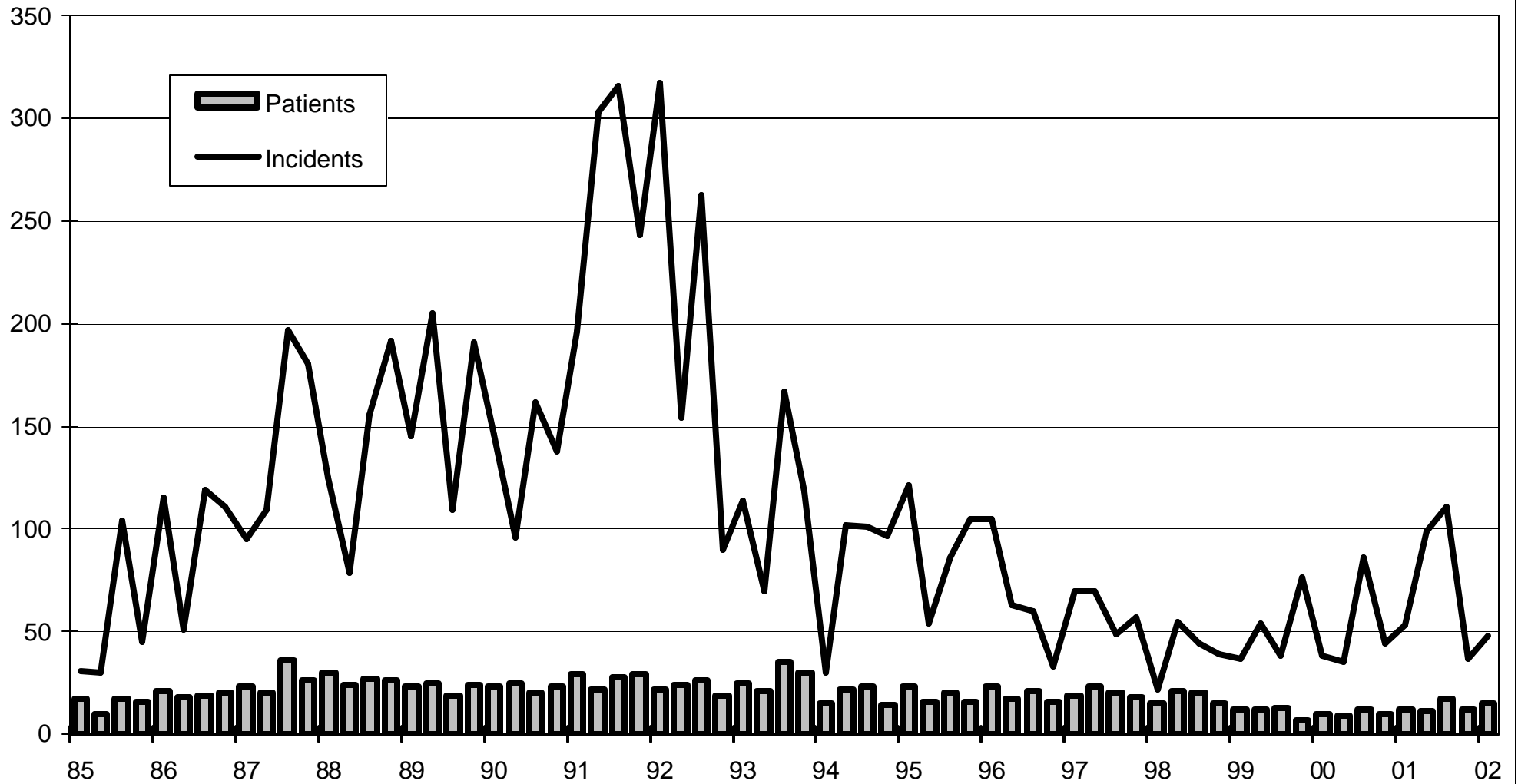
**INVOLUNTARY SPECIALING
at the Vermont State Hospital
January 1985 - March 2002**



INVOLUNTARY SPECIALING
AT THE VERMONT STATE HOSPITAL
JANUARY 1, 1990 - MARCH 31, 2002

Quarter	Patients Specialied		Specialing Incidents	
	Number	Percent of all Patients	Number	Rate (Incidents per Patient Year)
1990				
I. Jan - March	24	12%	316	11.7
II. April - June	23	11%	190	6.7
III. July - Sept	13	7%	195	6.7
IV. Oct - Dec	20	10%	143	5.0
1991				
I. Jan - March	27	14%	366	14.0
II. April - June	28	16%	615	25.6
III. July - Sept	36	19%	594	23.2
IV. Oct - Dec	30	15%	650	24.6
1992				
I. Jan - March	27	14%	828	32.8
II. April - June	31	18%	708	30.3
III. July - Sept	32	21%	933	40.2
IV. Oct - Dec	25	16%	516	22.0
1993				
I. Jan - March	22	14%	492	21.8
II. April - June	32	22%	374	18.1
III. July - Sept	45	28%	505	23.4
IV. Oct - Dec	32	21%	436	19.7
1994				
I. Jan - March	21	14%	264	13.0
II. April - June	28	19%	295	16.8
III. July - Sept	26	17%	357	19.1
IV. Oct - Dec	22	14%	383	18.1
1995				
I. Jan - March	26	19%	340	19.2
II. April - June	22	16%	260	13.9
III. July - Sept	25	16%	241	12.5
IV. Oct - Dec	25	16%	275	13.6
1996				
I. Jan - March	27	18%	450	22.8
II. April - June	26	19%	432	25.4
III. July - Sept	29	23%	433	27.0
IV. Oct - Dec	27	22%	369	22.9
1997				
I. Jan - March	26	21%	541	31.7
II. April - June	34	24%	528	28.2
III. July - Sept	32	20%	322	19.3
IV. Oct - Dec	22	17%	188	13.3
1998				
I. Jan - March	23	18%	234	17.1
II. April - June	28	24%	242	16.9
III. July - Sept	23	23%	111	7.8
IV. Oct - Dec	21	19%	208	15.3
1999				
I. Jan - March	19	18%	199	16.1
II. April - June	18	16%	406	30.6
III. July - Sept	13	11%	273	18.7
IV. Oct - Dec	13	12%	505	35.9
2000				
I. Jan - March	11	12%	388	34.8
II. April - June	8	9%	318	28.0
III. July - Sept	10	9%	465	37.8
IV. Oct - Dec	13	12%	484	33.8
2001				
I. Jan - March	11	11%	400	29.7
II. April - June	10	9%	317	25.3
III. July - Sept	18	15%	462	36.2
IV. Oct - Dec	11	10%	183	13.7
2002				
I. Jan - March	17	16%	382	28.0

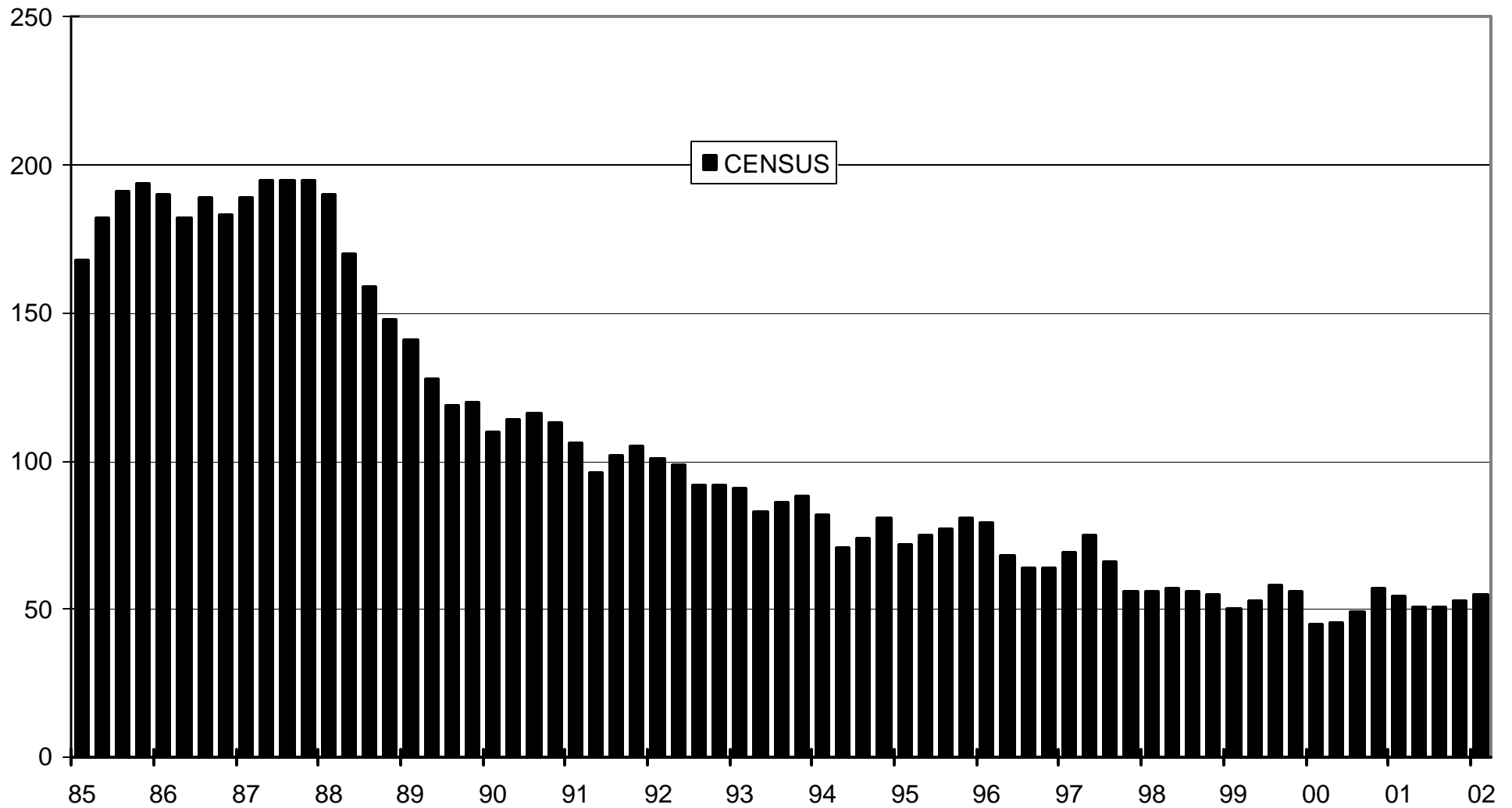
INVOLUNTARY RESTRAINT at the Vermont State Hospital January 1985 - March 2002



INVOLUNTARY RESTRAINT
AT THE VERMONT STATE HOSPITAL
JANUARY 1, 1990 - MARCH 31, 2002

Quarter	Patients Restrained				Restraint Incidents			
	Number			Percent of all Patients	Number			Rate (Incidents per Patient Year)
	VSH	VNH	Total		VSH	VNH	Total	
1990								
I. Jan - March	15	8	23	12%	59	87	146	5.4
II. April - June	18	7	25	12%	52	44	96	3.4
III. July - Sept	10	10	20	11%	86	76	162	5.5
IV. Oct - Dec	14	9	23	12%	56	82	138	4.9
1991								
I. Jan - March	21	8	29	15%	121	75	196	7.5
II. April - June	15	7	22	12%	175	128	303	12.9
III. July - Sept	20	8	28	15%	125	191	316	12.3
IV. Oct - Dec	23	6	29	15%	180	63	243	9.2
1992								
I. Jan - March	18	4	22	12%	294	23	317	12.6
II. April - June	20	4	24	14%	143	11	154	12.3
III. July - Sept	21	5	26	17%	219	10	263	11.3
IV. Oct - Dec	15	4	19	12%	69	21	90	3.9
1993								
I. Jan - March	18	7	25	16%	74	40	114	5.1
II. April - June	17	4	21	14%	60	10	70	3.4
III. July - Sept	30	5	35	22%	145	22	167	7.7
IV. Oct - Dec	24	6	30	19%	98	20	118	5.3
1994								
I. Jan - March	12	3	15	10%	22	8	30	1.5
II. April - June	22	0	22	15%	102	0	102	5.8
III. July - Sept	23	0	23	15%	101	0	101	5.4
IV. Oct - Dec	14	0	14	9%	97	0	97	4.7
1995								
I. Jan - March	23		23	16%	121		121	6.8
II. April - June	16		16	11%	54		54	2.9
III. July - Sept	20		20	13%	86		86	4.5
IV. Oct - Dec	16		16	10%	105		105	5.2
1996								
I. Jan - March	23		23	15%	105		105	5.3
II. April - June	17		17	13%	63		63	3.7
III. July - Sept	21		21	16%	60		60	3.7
IV. Oct - Dec	16		16	13%	33		33	2.0
1997								
I. Jan - March	19		19	16%	70		70	4.1
II. April - June	23		23	16%	70		70	3.7
III. July - Sept	20		20	13%	49		49	2.9
IV. Oct - Dec	18		18	14%	57		57	4.0
1998								
I. Jan - March	15		15	12%	22		22	1.6
II. April - June	21		21	18%	55		55	3.8
III. July - Sept	20		20	20%	44		44	3.1
IV. Oct - Dec	15		15	14%	39		39	2.9
1999								
I. Jan - March	12		12	11%	37		37	3.0
II. April - June	12		12	11%	54		54	4.1
III. July - Sept	13		13	11%	38		38	2.6
IV. Oct - Dec	7		7	6%	76		76	5.4
2000								
I. Jan - March	10		10	11%	38		38	3.4
II. April - June	9		9	10%	35		35	3.1
III. July - Sept	12		12	11%	86		86	7.0
IV. Oct - Dec	10		10	9%	44		44	3.1
2001								
I. Jan - March	12		12	12%	53		53	3.9
II. April - June	11		11	10%	99		99	7.9
III. July - Sept	17		17	14%	111		111	8.7
IV. Oct - Dec	12		12	11%	37		37	2.8
2002								
I. Jan - March	15		15	14%	48		48	3.5

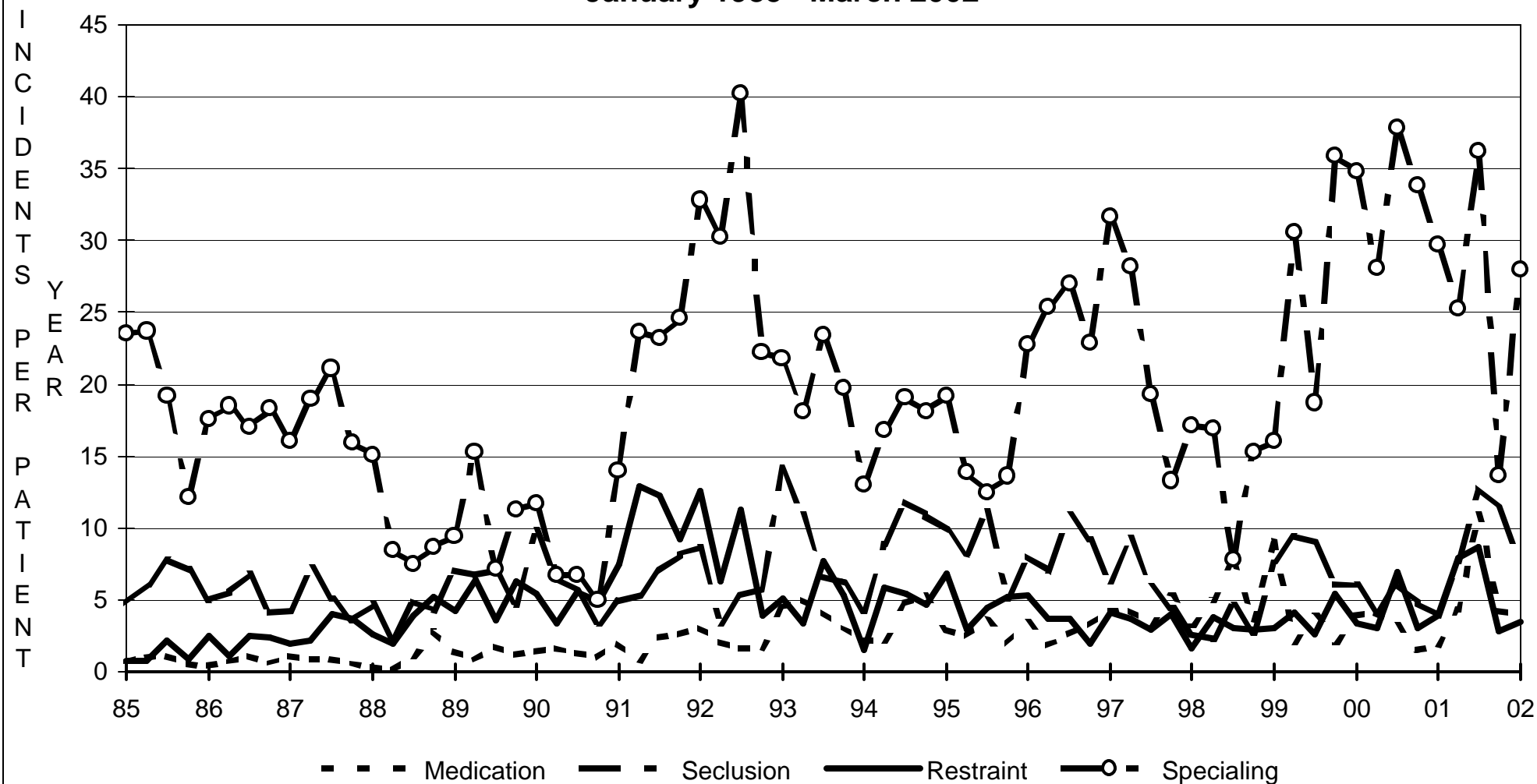
**AVERAGE DAILY CENSUS
at the Vermont State Hospital
January 1985 - March 2002**



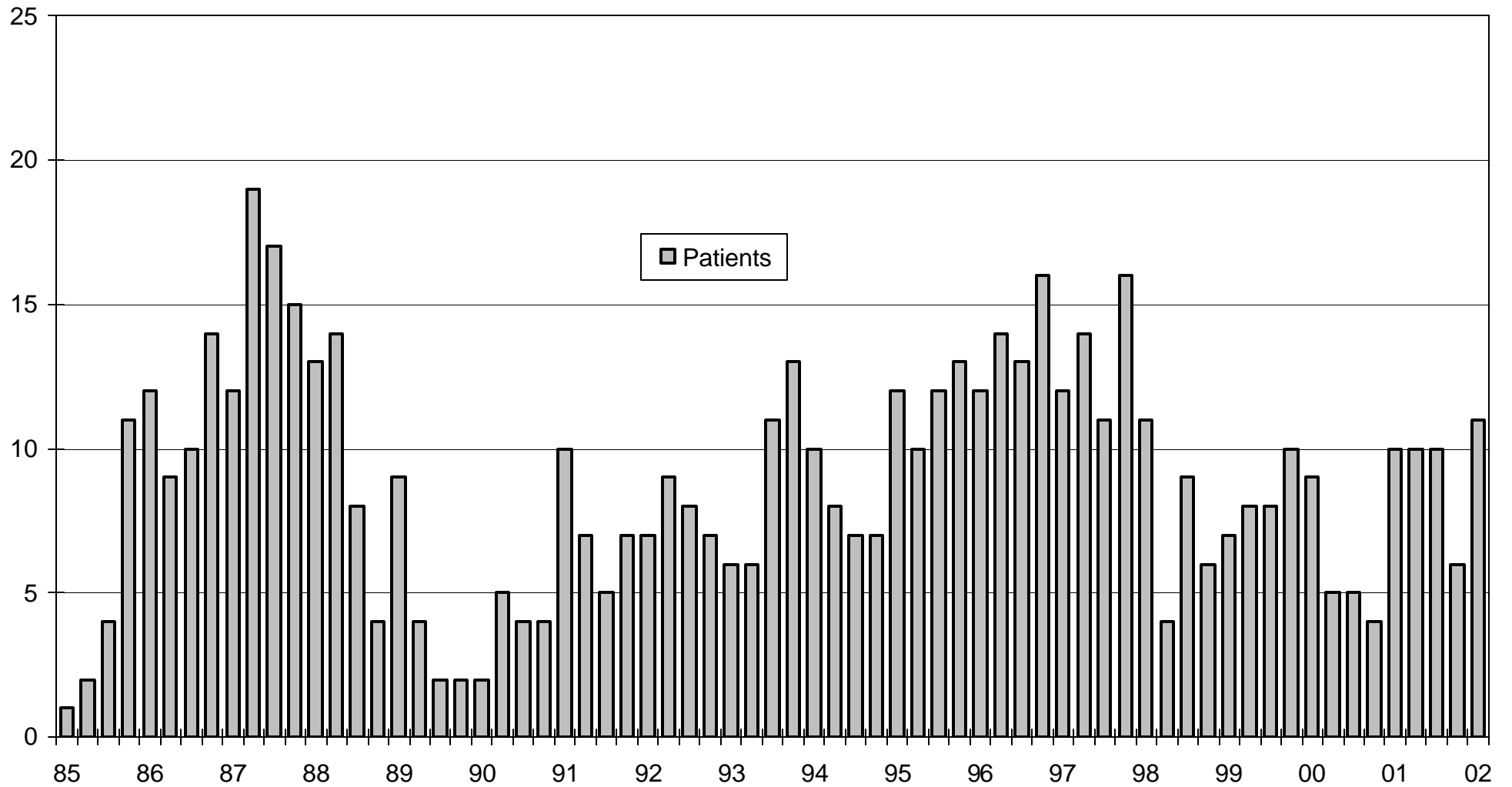
AVERAGE DAILY CENSUS
AT THE VERMONT STATE HOSPITAL
JANUARY 1, 1990 - MARCH 31, 2002

Quarter		Total Patients Served	Total Patient Days	Average Daily Census
1990				
I.	Jan - March	198	9,873	109.7
II.	April - June	203	10,332	113.5
III.	July - Sept	188	10,700	116.3
IV.	Oct - Dec	198	10,382	112.8
1991				
I.	Jan - March	197	9,527	105.9
II.	April - June	179	8,757	96.2
III.	July - Sept	187	9,357	101.7
IV.	Oct - Dec	196	9,650	104.9
1992				
I.	Jan - March	189	9,202	101.1
II.	April - June	169	8,990	98.8
III.	July - Sept	151	8,466	92.0
IV.	Oct - Dec	158	8,491	92.3
1993				
I.	Jan - March	152	8,230	91.4
II.	April - June	148	7,524	82.7
III.	July - Sept	160	7,870	85.5
IV.	Oct - Dec	154	8,076	87.8
1994				
I.	Jan - March	146	7,427	82.5
II.	April - June	150	6,433	70.7
III.	July - Sept	156	6,830	74.2
IV.	Oct - Dec	153	7,435	80.8
1995				
I.	Jan - March	140	6,481	72.0
II.	April - June	141	6,836	75.1
III.	July - Sept	153	7,037	76.5
IV.	Oct - Dec	161	7,415	80.6
1996				
I.	Jan - March	150	7,193	79.0
II.	April - June	134	6,200	68.1
III.	July - Sept	129	5,861	63.7
IV.	Oct - Dec	123	5,894	64.1
1997				
I.	Jan - March	121	6,232	69.2
II.	April - June	142	6,845	75.2
III.	July - Sept	158	6,099	66.3
IV.	Oct - Dec	130	5,157	56.1
1998				
I.	Jan - March	126	5,004	55.6
II.	April - June	116	5,218	57.3
III.	July - Sept	101	5,188	56.4
IV.	Oct - Dec	109	4,954	54.4
1999				
I.	Jan - March	105	4,516	50.2
II.	April - June	114	4,842	53.2
III.	July - Sept	114	5,330	57.9
IV.	Oct - Dec	113	5,127	55.7
2000				
I.	Jan - March	95	4,077	44.8
II.	April - June	90	4,149	45.6
III.	July - Sept	106	4,499	48.9
IV.	Oct - Dec	109	5,238	56.9
2001				
I.	Jan - March	103	4,911	54.6
II.	April - June	108	4,580	50.3
III.	July - Sept	124	4,661	50.7
IV.	Oct - Dec	109	4,887	53.1
2002				
I.	Jan - March	104	4,973	55.3

RATES OF INVOLUNTARY TREATMENT **Incidents Per Patient Year** **Vermont State Hospital** **January 1985 - March 2002**



NON-EMERGENCY INVOLUNTARY MEDICATION **at the Vermont State Hospital** **January 1985 - March 2002**



RATE OF INVOLUNTARY TREATMENT
Percent of Patients
Vermont State Hospital
January 1985 - March 2002

